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REMARKS

Claims 1, 6-14 and 19-26, are all the claims presently pending in the application.

It is noted that the claims have been amended solely to more particularly point out Applicants' invention for the Examiner, and not for distinguishing over the prior art, narrowing the claim in view of the prior art, or for statutory requirements directed to patentability.

More specifically, the independent claims are amended to replace "protocol" with "bus standard", since the Examiner, as best understood, seems to consider that one of ordinary skill in the art would consider the two terms as meaning different concepts, even in view of the description in the specification, and to add a functional description of the beneficial effect inherent in the described combination, since, as best understood, the Examiner seems to consider such statement necessary.

It is further noted that, notwithstanding any claim amendments made herein, Applicants' intent is to encompass equivalents of all claim elements, even if amended herein or later during prosecution.

Claims 1,6-14, and 19-26 stand rejected under 35 U.S.C. § 112, first paragraph, as failing to meet the written description requirement. Since the Examiner is understood as objecting to the term "protocol" in the claims, Applicants have changed this term to "bus standard" in a good faith attempt to expedite prosecution. Therefore, absent some concrete indication and practical alternative wording from the Examiner, Applicants submit that this change addresses whatever point the Examiner is attempting to make and respectfully request that the Examiner reconsider and withdraw this rejection.

Claims 1, 6, 7, 9-11, 14, 19, 20, 22, and 23 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicants' Admitted Prior Art, (page 1-4, line 7).

Claims 8, 12, 13, and 21 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicants' Admitted Prior Art in view of Strongin (U.S. Patent No. 6,304,935) (hereinafter "Strongin").

Claims 24 and 25 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicants' Admitted Prior Art in view of Miyamoto et al. (U.S. Patent No. 6,097,364)

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(hereinafter "Miyamoto").

Claim 26 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicants' Admitted Prior Art in view of Kikuchi (U.S. Patent No. 5,576,735) (hereinafter "Kikuchi").

These rejections are respectfully traversed in the discussion below.

I. THE CLAIMED INVENTION

Applicant's invention, as defined for example in independent claim 1 (and substantially similarly in independent claim 9 and 14) is directed to a system (and method) for displaying information including an extended bus bridge, a graphics adaptor coupled to the extended bus bridge, and a monitor coupled to the graphics adaptor to display the information. A serial link interconnects the portions of the extended bus bridge.

The extended bus bridge includes a first portion and a second portion. The first portion includes a first local bus based on a first bus standard and a first interface to convert a serial signal into the first bus standard. The second portion includes a second local bus based on the first bus standard and a second interface to convert the first bus standard into the serial signal. The first bus standard is defined by a standard of a local internal bus of a computer.

This system thereby provides the benefit of eliminating/reducing a data bandwidth bottleneck between the graphics adaptor and the monitor and/or the benefit of eliminating/reducing an electromagnetic radiation due to an analog/digital transmission line for display data.

A key feature of the present invention is that the graphics adaptor is localized to the monitor such that the graphics adaptor and the monitor form a display unit (e.g. see page 3, lines 9-12; page 5, lines 7-10, page 6, lines 8-9; and page 10, lines 8-9).

An exemplary configuration of the system (and method) for displaying information including an extended bus bridge where the graphics adaptor is localized within the monitor, is shown in Figs. 3-4 of the application.

With such novel and unique features in the claimed combination, a system for displaying information with a connection between a PC and a monitor can avoid the problems of having a bottleneck in the system caused by having to carry all of the bandwidth of the high

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resolution image in a connecting cable.

The conventional systems, such as those discussed below and in the Related Art section of the present application, do not have such a structure, and fail to provide for such an operation.

Indeed, such features are clearly not taught or suggested by the cited references.

II. THE PRIOR ART REJECTIONS

The Examiner alleges that the Applicants' Admitted Prior Art renders obvious the present invention as defined by claims 1, 6, 7, 9-11, 14, 19, 20, 22, and 23, relying on *In Re Japikse* and *Nerwin v. Erlichman*.

The Examiner further alleges that *In Re Japikse*: "... recognizes that the relocation of well known element is normally not desired toward patentable subject matter." The Examiner additionally alleges that *Nerwin v. Erlichman*: "... recognizes that the separation of well known element is normally not desired toward patentable subject matter and use the serial link 102 in the AAPA system to connect two portions of the bus together to transfer display data for the system."

Applicants have already responded to these two references by pointing out that the fact pattern of the present Application differs from that of the two cases. This response is not repeated herein, since it was presented on the record in the Amendment Under 37 CFR §1.116 filed on March 9, 2004.

It is noted that the Examiner's only response in the Office Action dated June 16, 2004, to the Applicants traversal in this previous Amendment is to repeat the rejection wording itself. The Examiner makes no attempt to justify that the facts of the present Application is equivalent to those of these two cases.

Accordingly, Applicants respectfully submit that the Examiner, therefore, fails to comply with the procedure described at MPEP §707.07(f): "Where the applicant traverses any rejection, the examiner should, if he or she repeats the rejection, take note of the applicant's argument and answer the substance of it." (Emphasis by Applicants)

Relative to the Examiner's comment in the paragraph bridging pages 7 and 8 of the Office Action dated June 16, 2004, that the claims do not recite "... features upon which

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applicant relies ...", Applicants have added a functional description of the beneficial effect of the described combination.

It is noted that Applicants specifically state on the record that these beneficial effects are not "features" missing from the definition of the invention in the claims, as characterized by the Examiner, but rather a statement describing the inherent benefit of the defined combination.

Hence, turning to the clear language of independent claim 1 (and similarly that of independent claims 9 and 14), there is no suggestion in AAPA of: "... an extended bus bridge, said extended bus bridge including a first portion and a second portion, said first portion comprising a first local bus based on a first bus standard and a first interface to convert a serial signal into said first bus standard, said second portion comprising a second local bus based on said first bus standard and a second interface to convert said first bus standard into said serial signal, said first bus standard defined by a standard of a local internal bus of a computer; a graphics adaptor coupled to said extended bus bridge at the first portion of said extended bridge; a central processing unit (CPU) coupled to said second portion of said extended bridge; a monitor coupled to said graphics adaptor to display the information, such that said graphics adaptor is localized to said monitor and said graphics adaptor and said monitor comprise a display unit; and a serial link for coupling together said first and second portions of said extended bus bridge, such that at least one of a data bandwidth bottleneck between said graphics adaptor and said monitor and an electromagnetic radiation due to an analog/digital transmission line for display data between said graphics adaptor and said monitor is reduced."

Applicants submit, therefore, that claims 1, 6, 7, 9-11, 14, 19, 20, 22, 23 are clearly patentable over Applicants' Admitted Prior Art.

The Examiner relies on Strongin to teach: "... *a portion of a AGP bus bridge 104 coupled to the graphic processor 202*", on Miyamoto to teach: "... *a display control apparatus in which only the information that changes is transferred to the display unit*", and on Kikuchi to teach: "... *a parallel connection between the display system and the graphic adaptor*". However, neither Strongin nor Miyamoto nor Kikuchi overcomes the basic deficiency identified above.

Relative to rejections based on combining/modifying AAPA with Strongin, Miyamoto, or

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Kikuchi, Applicants again submit that the rejection currently of record fails to meet the initial burden, for the reasons already of record, as described in the Amendment Under 37 CFR §1.116, filed on March 9, 2004.

As described in that previously-filed Amendment, Applicants submit that the clearly different problems being addressed by these references, thereby precluding the "roadmap" analysis of the rejection currently of record.

It is noted that the Examiner also fails to respond in the Office Action dated June 16, 2004, to the Applicants' traversal that these prior art references are properly combinable, as required by the above-recited portion of MPEP §707.07(f).

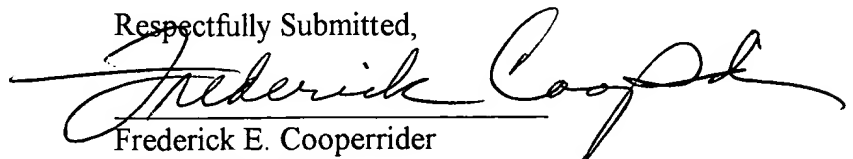
III. FORMAL MATTERS AND CONCLUSION

In view of the foregoing, Applicant submits that claims 1, 6-14 and 19-26, all the claims presently pending in the application, are patentably distinct over the prior art of record and are in condition for allowance. The Examiner is respectfully requested to pass the above application to issue at the earliest possible time.

Should the Examiner find the application to be other than in condition for allowance, the Examiner is requested to contact the undersigned at the local telephone number listed below to discuss any other changes deemed necessary in a telephonic or personal interview.

The Commissioner is hereby authorized to charge any deficiency in fees or to credit any overpayment in fees to Assignee's Deposit Account No. 50-0510.

Respectfully Submitted,


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